IN THE UNITED STATES DISTRICT COURT FOR THE
NORTHERN DISTRICT OF OKLAHOMA

W. A. DREW EDMONDSON, in his capacity as ATTORNEY GENERAL OF THE STATE OF OKLAHOMA and OKLAHOMA SECRETARY OF THE ENVIRONMENT C. MILES TOLBERT, in his capacity as the TRUSTEE FOR NATURAL RESOURCES FOR THE STATE OF OKLAHOMA,

Plaintiff,

vs. 4:05-CV-00329-TCK-SAJ

TYSON FOODS, INC., et al,

Defendants.

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THE VIDEOTAPED DEPOSITION OF ROGER OLSEN, PhD, produced as a witness on behalf of the Defendants in the above styled and numbered cause, taken on the 2nd day of February, 2008, in the City of Tulsa, County of Tulsa, State of Oklahoma, before me, Lisa A. Steinmeyer, a Certified Shorthand Reporter, duly certified under and by virtue of the laws of the State of Oklahoma.

EXHIBIT
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poultry waste signature; correct?
A That's correct.
Q Okay. Sir, is your definitive poultry waste signature unique to litter from farms under contract with my clients? 09:14AM
A No. It represents the general composition and specific composition of all the waste we've measured. We've measured your concentrations in waste in runoff from your fields.
Q Okay, but your signature when you look at the environmental data does not allow you to determine whether the contamination that you see in a sample comes from litter from a farm under contract with Tyson or George's or some other defendant; correct? 09:14AM
A That's correct. The signature alone does not identify a specific defendant. 09:15AM
Q Sir, are you aware that there are in fact differences between the composition of litter originating under contract -- originating on farms under contract with each of the various defendants in this case? 09:15AM
A Very -- we've done complete analysis of litter from all defendants, except for Cal-Maine and Willow Brook, so we've looked at the chemical composition of that, the major components and most of the senior 09:15AM

myself have taken on sites to determine essentially the fate and transport through the environment and determine in each component in the environment, you know, what chemical composition and bacterial composition is present. So we start with the source, the litter here, and, again, we've analyzed it in about 20 different samples. 09:22AM

Q 20 samples of poultry litter?

A Yes.

Q Okay. 09:22AM

A And all the defendants, except the two that I already mentioned.

Q Cal-Maine and Willow Brook?

A That's exactly right.

Q You've analyzed no litter for Cal-Maine or Willow Brook? 09:22AM

A That's right. So we have that chemical and bacterial composition, so that's one compartment. Okay. The next compartment is where it's placed on the soil. So we looked at that next compartment on fields and, again, we've looked at -- I think it's about 60 different fields, and there's, you know, two to four subareas per each of those fields, maybe a little less fields, maybe 30 to 40 fields, and two to four subcompartments on each of those fields and, 09:22AM 09:23AM